

PROCEEDINGS OF THE  
ROYAL ENTOMOLOGICAL SOCIETY  
OF LONDON

SERIES C. JOURNAL OF MEETINGS

VOLUME 11.

No. 5, 1946.

GENERAL MEETING

WEDNESDAY, 1ST MAY, 1946, at 5.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the General Meeting held on 3rd April, 1946.
2. Recommendations of candidates for Fellowship.
3. Announcement of elections of new Fellows.
4. The following additions have been made to the Library :

*Presented.*

- Morris, F. O. : *A history of British Butterflies*. 2nd edition. 8vo. London, 1865. [Mr. R. L. E. Ford.]
- Kelsey, W. E. : *The spell of the honey bee*. 8vo. London, 1945.
- Richter, R. : *Einführung in die zoologische Nomenklatur*. 8vo. Frankfurt, 1943.
- Clark, W. E. le G., and Medawar, P. B. : (Editors). *Essays on Growth and Form presented to D'Arcy Wentworth Thompson*. 8vo. Oxford, 1945.

*Purchased.*

- Taylor, G. : *Insect life in Britain*. 8vo. London, 1945.
- Horion, A. : *Faunistik der deutschen Käfer*. Band I. 8vo. Krefeld, 1941.
- Burmeister, F. : *Biologie, Ökologie, und Verbreitung der europäischen Käfer*. Bd. I. 8vo. Krefeld, 1939.
- Landrock, K. : *Zweiflügler oder Diptera VI. Pilzmücken oder Fungivoridae*. [*Tierwelt Deutschlands* 38] 1940.
- Stitz, H. : *Hautflügler oder Hymenoptera. I. Ameisen oder Formicidae*. [*Tierwelt Deutschlands* 37] 1939.
- Howes, P. G. : *Insect Behaviour*. 8vo. Boston, 1919.

In addition, separates have been presented by the Imperial Institute of Entomology, Mr. H. K. Airy Shaw, Mr. Francis J. Griffin, Capt. E. Rivenhall Goffe, Professor T. D. A. Cockerell, Dr. C. H. N. Jackson, Dr. A. M. Massee, Mr. G. Fox-Wilson, Dr. H. Cleu, and Dr. B. J. Lempke.

5. Admission of Fellows.
6. Communications.

## (1) Dr. C. B. Williams.

The fat content of migrant insects.

[Abstract.]

Several thousand insects were attracted to a searchlight at Hastings in August, 1944. Among them were large numbers of *Plusia gamma* and a smaller number of *Phlogophora meticulosa*, two insects known to be migrants. The opportunity was taken to extract the fat from the abdomens of several hundred individuals to see what amount of food reserve is available for migrant insects, and the variability from individual to individual. In general about 33% of the dry weight of the abdomen was fat, extractable with ether. The method of extraction and some of the results obtained will be discussed.

## (2) Dr. O. W. Richards.

Rearing larvae of the Eyed-Hawk Moth (*Smerinthus ocellatus* (L.)) on apple and sallow.

[Abstract.]

A number of larvae were reared for the first three weeks of their life on each of these two common food-plants. Then, while some were kept as controls, others were switched to the second food. No evidence was found that food in early life had established a food-preference.

## (3) Mr. R. G. Fennah.

The formation of species and genera in the island fauna of the Lesser Antillean Archipelago.

(4) Communications and exhibits the titles of which have been received since the circulation of these agenda.

Fellows are particularly requested to bring suitable exhibits to the General Meetings even though it may not be possible to announce their intention to do so before the meeting.

Tea will be served in the Library before the meeting.

### NOTICE.

Fellows are reminded that papers for which they are anxious to secure early publication can now be published with very little delay in *Proceedings*, provided they do not exceed a length of some eight printed pages.

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PROCEEDINGS OF THE GENERAL MEETING HELD ON 3RD APRIL, 1946.

Professor G. D. Hale CARPENTER, M.B.E., D.M., President, in the Chair.

Present, 56 Fellows and 6 Visitors.

The minutes of the meeting held on 20th March were confirmed and signed by the President.

The names of the following candidates for election were read :—For the first time : E. H. Gills and B. P. Moore.

For the second time : S. Banerjee, E. M. Elmhirst, M.B., B.Sc., J. Hlisnikowski, Lt. B. M. Jones, R.N.V.R., B. Stuart, and A. K. Wafa.

The secretary announced that the following had been elected Fellows of the Society :—E. W. Aubrook, Tolson Memorial Museum, Ravensknowle, Huddersfield; M. Bates, The Rockefeller Foundation, Villavicencio, Colombia, South America; P. W. E. Currie, 102, Burdon Lane, Belmont, Sutton, Surrey; R. G. Donald, 15, Clarence Street, Bishop Auckland, Co. Durham; R. T. Harper, 168, Salmon Street, Kingsbury, N.W. 9; Skat Hoffmeyer, D.D., Aarhus, Denmark; F. J. Howe, Pathological Department, Hospital of St. Cross, Rugby, Warwickshire; Capt. D. S. Kettle, R.A.M.C., 34, Allerton Road, Stoke Newington, N. 16; T. R. Sandrasagara, Dept. of Entomology, Colombo Museum, No. 7, Main Street, Jaffra, Ceylon.

Thanks were voted to donors of gifts to the Library since the last meeting.

The Rev. H. E. J. Biggs, Mr. Clifford Craufurd, Mr. J. H. Ford, Mr. G. P. Freshfield, Mr. J. Hadjinicolaou, Mr. R. Lovell, and Mr. T. Ramachandra Rao signed the Obligation Book and were admitted Fellows.

A communication was made by Dr. H. E. Hinton, an abstract of which appeared on p. 13.

In addition Captain R. A. Jackson showed two larvae of *Amathes alpicola* nearly full fed, found under crowberry and lichen on a mountain top near Aviemore, on 31st March 1946.

It had been anticipated that the larvae would be still quite small at this period, as they would normally be full fed and pupating at the end of May. A few minutes' search, however, revealed the two large larvae shown.

The season had been a very mild one until the middle of February, when heavy snow-falls occurred, but these had all disappeared, except for isolated patches, when the locality was visited.

It is believed that the larvae have not previously been taken at this early period of the year.

N. D. RILEY, *Hon. Secretary.*

#### ADMISSION OF FELLOWS.

Any Fellow who has not been formally admitted to the Society under Chapter XIV, Section 4 of the Bye-Laws and attends the meeting on 1st May, 1946, is requested to inform the Registrar before 5.15 p.m. on that date.

## NOTICES

In addition to the *Transactions* and *Proceedings* (Series A, B, and C), the following publications are available on application at the Society's rooms :—

THE GENERIC NAMES OF BRITISH INSECTS, prepared by the Committee on Generic Nomenclature of the Royal Entomological Society of London, with the assistance of the Department of Entomology of the British Museum (Natural History) :

- Part 1. Recommendations relating to the publication of the committee's reports . . . . . price 6*d*.
- Part 2. The generic names of the British Rhopalocera with a check list of the species . . . . . price 3*s*. 6*d*.
- Part 3. The generic names of the British Odonata with a check list of the species . . . . . price 3*s*. 6*d*.
- Part 4. The generic names of the British Neuroptera, with a check list of the British species . . . . . price 3*s*. 6*d*.
- Part 5. The generic names of the British Hymenoptera Aculeata, with a check list of the British species . . . . . price 15*s*. 0*d*.
- Part 6. The generic names of the British CARABIDAE, with a check list of the British species . . . . . price 10*s*. 0*d*.
- Part 7. The generic names of the British Hydradephaga, with a check list of the British species . . . . . price 5*s*. 0*d*.
- Part 8. The generic names of the British Hemiptera-Heteroptera, with a check list of the British species . . . . . price 39*s*. 0*d*.

STYLOPS, a Journal of Taxonomic Entomology.

1932-1935. Vols. 1-4 (all issued). Price £1 16*s*. 0*d*. each; to Fellows, £1 7*s*. 0*d*.

ABSTRACT OF PROCEEDINGS OF THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON. 1935. Nos. 1-6 (all issued). 3*s*. 0*d*.

HÜBNER : A BIBLIOGRAPHICAL AND SYSTEMATIC ACCOUNT OF THE ENTOMOLOGICAL WORKS OF JACOB HÜBNER AND THE SUPPLEMENTS THERETO. In 2 vols. By Francis Hemming.

Price Vol. 1. 605 pp. £1 15*s*. 0*d*.  
 „ Vol. 2. 275 pp. 15*s*. 0*d*.

The next Meeting will be held on Wednesday, 5th June, 1946, at 5.30 p.m.

*Published by* THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON *and sold at its Rooms, 41, Queen's Gate, S.W.7, price 6d.*